

ABSTRACT OF THE INVENTION

It is disclosed a combined system for the elimination of pollutants from gaseous effluents of the type that comprises means for carrying out at least one electronic bombardment operation and means for carrying out at least one electrostatic interaction operation, in which a heat diffusion and molecular destabilization operation is performed as a previous treatment in order to restrict the flow of gases in such a way that it causes the gas molecules and suspended particles to tend to split up and electronically destabilize at the time that the temperature of the same gases is reduced; and/or a magnetic molecular rearrangement operation is carried out prior to each electrostatic interaction operation, consisting of subjecting the gases to a magnetic field having such a force that achieve a rearrangement of the sub-particles and heavier molecules thus achieving a selective separation that prepares the gaseous stream for the electrostatic interaction operation. It is described also an apparatus with the system incorporated therein.